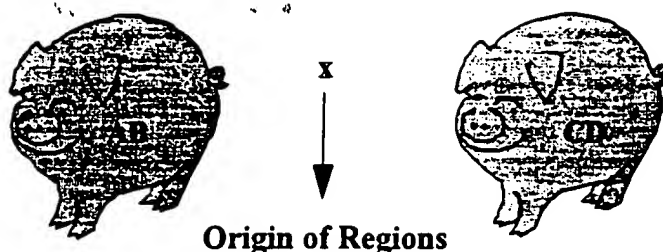


Fig. 1



Haplotype	Class II	Class I
a	[Solid black bar]	
c	[White bar]	
d	[Solid black bar]	
f	[Solid black bar]	[White bar]
g	[Solid black bar]	[White bar]
h	[Solid black bar]	[Hatched bar]
j	[White bar]	[Hatched bar]

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Fig. 2

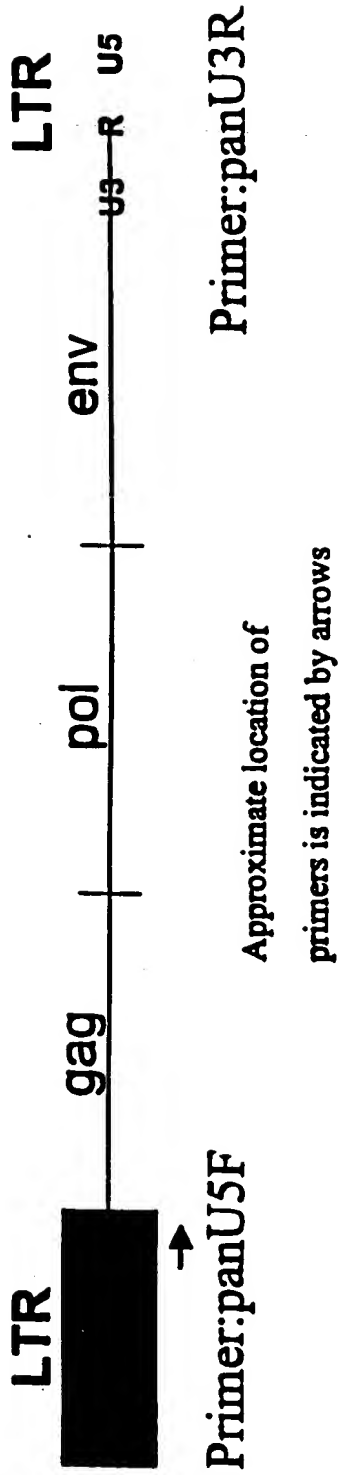


FIGURE 3(a) Sequence of clone 12002-1

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCTC	350
AGGACCCCCA	AATAATGAAG	AATATTGCGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

FIGURE 3(b) Sequence of clone 12002-2

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

FIGURE 3(c) Sequence of clone 12002-3

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT		

FIGURE 3(d) Sequence of clone 12002-4

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

FIGURE 3(e) Sequence of clone 12002-5

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	

FIGURE 3(f) Sequence of clone 12002-6

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	



ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCAT	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

[illegible]

FIGURE 4

Comparison of sequences of clones 12002-1 though 12002-7

12002-1.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-2.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-3.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-4.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-5.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-6.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-7.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
12002-1.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-2.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-3.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-4.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-5.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-6.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-7.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-1.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-2.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-3.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-4.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-5.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-6.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-7.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
12002-1.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-2.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-3.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-4.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-5.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-6.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-7.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-1.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-2.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-3.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-4.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-5.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-6.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-7.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-1.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-2.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-3.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-4.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-5.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-6.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-7.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-1.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-2.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-3.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-4.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-5.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-6.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-7.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-1.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-2.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-3.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-4.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-5.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-6.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-7.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400

Figure 4 (cont'd)

12002-1.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-2.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-3.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-4.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-5.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-6.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-7.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-1.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-2.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-3.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-4.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-5.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-6.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-7.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-1.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-2.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-3.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	-----	550
12002-4.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-5.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-6.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-7.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-1.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-2.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-3.DNA	551	-----	-----	-----	-----	-----	600
12002-4.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-5.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-6.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-7.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

12002-1.DNA
12002-2.DNA
12002-3.DNA
12002-4.DNA
12002-5.DNA
12002-6.DNA
12002-7.DNA

FIGURE 5(a) Sequence from 11619-1

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	

FIGURE 5(b) Sequence from 11619-2

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	CCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	

FIGURE 5(c) Sequence from 11619-3

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	

FIGURE 5(d) Sequence from 11619-4

GACAGCCCGA	ACTCCCATAA	ACCCTCATCT	CTCACCTGGT	TACTTACTGA	50
CTCCGGTACA	GGTATTAATA	TTAACAGCAC	TCAAGGGGAG	GCTCCCTTGG	100
GGACCTGGTG	GCCTGAATTA	TATGTCTGCC	TTCGATCAGT	AATCCCTGGT	150
CTCAATGACC	AGGCCACACC	CCCCGATGTA	CTCCGTGCTT	ACGGGTTTTA	200
CGTTTGCCCA	GGACCCCCAA	ATAATGAAGA	ATATTGTGGA	AATCCTCAGG	250
ATTTCTTTTG	CAAGCAATGG	AGCTGCGTAA	CTTCTAATGA	TGGGAATTGG	300
AAATGGCCAG	TCTCTCAGCA	AGACAGAGTA	AGTTACTCTT	TTGTTAACAA	350
TCCTACCTAT	AATAATCAAT	TTAATTATGG	CCATGGGAGA	TGGAAAGATT	400
GGCAACAGCG	GGTACAAAAA	GATGTACGAA	ATAAGCAAAT	AAGCTGTCAT	450
TCGTTAGA					

FIGURE 5(e) Sequence from 11619-5

TTAATGGTAA	ACGCCTTGTG	GACAGCCCGA	ACTCCCATAA	ACCCTTATCT	50
CTCACCTGGT	TACTTACTGA	CTCCGGTACA	GGTATTAATA	TTAACAGCAC	100
TCAAGGGGAG	GCTCCCTTGG	GGACCTGGTG	GCCTGAATTA	TATGTCTGCC	150
TTCGATCAGT	AATCCCTGGT	CTCAATGACC	AGGCCACACC	CCCCGATGTA	200
CTCCGTGCTT	ACGGGTTTTA	CGTTTGCCCA	GGACCCCCAA	ATAATGAAGA	250
ATATTGTGGA	AATCCTCAGG	ATTTCTTTTG	CAGGCAATGG	AGCTGCGTAA	300
CTTCTAATGA	TGGAAATTGG	AAATGGCCAG	TCTCTCAGCA	AGACAGAGTA	350
AGTTACTCTT	TTGTTAACAA	TCCTACCAGT	TATAATCAAT	TTAATTATGG	400
CCATGGGAGA	TGGAAAGATT	GGCAACAGCG	GGTACAAAAA	GATGTACGAA	450
ATAAGCAAAT	AAGCTGTCAT	TCGTTAGA			

FIGURE 5(f) Sequence from 11619-6

TTAATGGTAA	ACGCCTTGTG	GACAGCCCGA	ACTCCCATAA	ACCCTTATCT	50
CTCACCTGGT	TACTTACTGA	CTCCGGTACA	GGTATTAATA	TTAACAGCAC	100
TCAAGGGGAG	GCTCCCTTGG	GGACCTGGTG	GCCTGAATTA	TATGTCTGCC	150
TTCGATCAGT	AATCCCTGGT	CTCAATGACC	AGGCCACACC	CCCCGATGTA	200
CTCCGTGCTT	ACGGGTTTTA	CGTTTGCCCA	GGACCCCCAA	ATAATGAAGA	250
ATATTGTGGA	AATCCTCAGG	ATTTCTTTTG	CAAGCAATGG	AGCTGCGTAA	300
CTTCTAATGA	TGGGAATTGG	AAATGGCCAG	TCTCTCAGCA	AGACAGAGTA	350
AGTTACTCTT	TTGTTAACAA	TCCTACCAGT	TATAATCAAT	TTAATTATGG	400
CCATGGGAGA	TGGAAAGATT	GGCAACAGCG	GGTACAAAAA	GATGTACGAA	450
ATAAGCAAAT	AAGCTGTCAT	TCGTTAGA			

FIGURE 5(g) Sequence from 11619-7

GACAGCCCGA	ACTCCCATAA	ACCCTTATCT	CTCACCTGGT	TACTTACTGA	50
CTCCGGTACA	GGTATTAATA	TTAACAGCAC	TCAAGGGGAG	GCTCCCTTGG	100
GGACCTGGTG	GCCTGAATTA	TATGTCTGCC	TTCGATCAGT	AATCCCTGGT	150
CTCAATGACC	AGGCCACACC	CCCCGATGTA	CTCCGTGCTT	ACGGGTTTTA	200
CGTTTGCCCA	GGACCCCCAA	ATAATGAAGA	ATATTGTGGA	AATCCTCAGG	250
ATTTCTTTTG	CAAGCAATGG	AGCTGCGTAA	CTTCTAATGA	TGGAATTTGG	300
AAATGGCCAG	TCTCTCAGCA	AGACAGAGTA	AGTTACTCTT	TTGTTAACAA	350
TCCTACCAGT	TATAATCAAT	TTAATTATGG	CCATGGGAGA	TGGAAAGATT	400
GGCAACAGCG	GGTACAAAAA	GATGTACGAA	ATAAGCAAAT	AAGCTGTCAT	450
TCGTTAGA					

FIGURE 5(h) Sequence from 11619-8

TTAATGGTAA	ACGCCTTGTG	GACAGCCCGA	ACTCCCATAA	ACCCTTATCT	50
CTCACCTGGT	TACTTACTGA	CTCCGGTACA	GGTATTAATA	TTAACAGCAC	100
TCAAGAGGAG	GCTCCCTTGG	GGACCTGGTG	GCCTGAATTA	TATGTCTGCC	150
TTCGATCAGT	AATCCCTGGT	CTCAATGACC	AGGCCACACC	CCCCGATGTA	200
CTCCGTGCTT	ACGGGTTTTA	CGTTTGCCCA	GGACCCCCAA	ATAATGAAGA	250
ATATTGTGGA	AATCCTCAGG	ATTTCTTTTG	CAAGCAATGG	AGCTGCGTAA	300
CTTCTAATGA	TGGAATTTGG	AAATGGCCAG	TCTCTCAGCA	AGACAGAGTA	350
AGTTACTCTT	TTGTTAACAA	TCCTACCAGT	TATAATCAAT	TTAATTATGG	400
CCATGGGAGA	TGGAAAGATT	GGCAACAGCG	GGTACAAAAA	GATGTACGAA	450
ATAAGCAAAT	AAGCTGTCAT	TCGTTAGA			

FIGURE 5(i) Sequence from 11619-9

TTAATGGTAT	GCGCCTTGTG	GACTGCCCCG	ACTCCCATAA	ACCCTTATCT	50
CTCACCTGGT	TACTTACTGA	CTCCGGTACA	GGTATTAATA	TTAACATCAC	100
TCAAGGGGAG	GCTCCCTTGG	GGACCTGGTG	GCCTGAATTA	TATGTCTGCC	150
TTCGATCAGT	AATCCCTGGT	CTCAATGACC	AGGCCACACC	CCCCGATGTA	200
CTCCGTGCTT	ACGGGTTTTA	CGTTTGCCCA	GGACCCCCAA	ATAATGAAGA	250
ATATTGTGGA	AATCCTCAGG	ATTTCTTTTG	CAAGCAATGG	AGCTGCGTAA	300
CTTCTAATGA	TGGAATTTGG	AAATGGCCAG	TCTCTCAGCA	AGACAGAGTA	350
AGTTACTCTT	TTGTTAACAA	TCCTACCAGT	TATAATCAAT	TTAATTATGG	400
CCATGGGAGA	TGGAAAGATT	GGCAACAGCG	GGTACAAAAA	GATGTACGAA	450
ATAAGCAAAT	AAGCTGTCAT	TCGTTAGA			

FIGURE 6 Comparison of the sequences derived from pig 11619

11619-1.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCCGG	GTGGAAAGCC	50
11619-2.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCCGG	GTGGAAAGCC	50
11619-3.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCCGG	GTGGAAAGCC	50
11619-4.DNA	1	-----	-----	-----	-----	-----	50
11619-5.DNA	1	-----	-----	-----	-----	-----	50
11619-6.DNA	1	-----	-----	-----	-----	-----	50
11619-7.DNA	1	-----	-----	-----	-----	-----	50
11619-8.DNA	1	-----	-----	-----	-----	-----	50
11619-9.DNA	1	-----	-----	-----	-----	-----	50
11619-1.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
11619-2.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
11619-3.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
11619-4.DNA	51	-----	-----	-----	-----	-----	100
11619-5.DNA	51	-----	-----	-----	-----	-----	100
11619-6.DNA	51	-----	-----	-----	-----	-----	100
11619-7.DNA	51	-----	-----	-----	-----	-----	100
11619-8.DNA	51	-----	-----	-----	-----	-----	100
11619-9.DNA	51	-----	-----	-----	-----	-----	100
11619-1.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
11619-2.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
11619-3.DNA	101	CTCTGTCAAT	AACCTCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
11619-4.DNA	101	-----	-----	-----	-----	-GACAGCCCC	150
11619-5.DNA	101	-----	-----	-TTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
11619-6.DNA	101	-----	-----	-TTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
11619-7.DNA	101	-----	-----	-----	-----	-GACAGCCCC	150
11619-8.DNA	101	-----	-----	-TTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
11619-9.DNA	101	-----	-----	-TTAATGGTA	TGCGCCTTGT	GGACTGCCCC	150
11619-1.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-2.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-3.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-4.DNA	151	AACCTCCATA	AACCTTCATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-5.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-6.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-7.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-8.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-9.DNA	151	AACCTCCATA	AACCTTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-1.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-2.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-3.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-4.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-5.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-6.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-7.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-8.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGAGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-9.DNA	201	AGGTATTAAT	ATTAACATCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-1.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-2.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	CCTCAATGAC	300
11619-3.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-4.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-5.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-6.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-7.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-8.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-9.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-1.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-2.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-3.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-4.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-5.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-6.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-7.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-8.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-9.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350

Figure 6 (cont'd)

11619-1.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-2.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-3.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-4.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-5.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-6.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-7.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-8.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-9.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
11619-1.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-2.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-3.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-4.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-5.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-6.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-7.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-8.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-9.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-1.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-2.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-3.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-4.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-5.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-6.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-7.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-8.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-9.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-1.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-2.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-3.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-4.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-5.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-6.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-7.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-8.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-9.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-1.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-2.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-3.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-4.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-5.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-6.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-7.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-8.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-9.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600